



## Engineering Services Monthly Report on Roads, Traffic, Water and Sewer Projects:

City Council Meeting – May 5, 2009

### **Engineering Services Department – General**

1. **Dallas Regional Mobility Coalition (DRMC)** – The DRMC held their monthly meeting at the Dallas County Health and Human Services Building on Friday, April 3, 2009. John Eaglen attended the meeting. The meeting agenda included the following items:
  - **Agenda Item Number 3, Treasurer’s Report and Approval of March Expenditure – *Result:* The DRMC unanimously approved the Treasurer’s Report and approval of March expenditures.**
  - **Agenda Item Number 4, Texas Local Option Transportation Act Advocacy Effort by Brian Mayes of Allyn and Company – *Background:* This initiative started with the Arlington Chamber of Commerce, who procured and procured Allyn and Company for public relations services; an initial steering committee for the initiative has been formed and the steering committee has developed an initial logo for the advocacy effort. The goal is to assist advocacy efforts on the ground in North Texas for passage of TLOT in the Texas Legislature, and to be able to go into specific districts with mail outs and supportive public outreach efforts. DRMC members provided Mr. Mayes with feedback for the effort, including (1) distinguish between the use of “passenger” rail versus “light rail;” (2) stress that residents are tired of traffic; and (3) stress that the region’s air quality needs to be improved. *Result:* After discussion the DRMC approved a motion to authorize the members of the Legislative Subcommittee to approve the expenditure of funds in support of this initiative on a request-by-request basis that are tied to a specific deliverable.**
  - **Agenda Item Number 5, Legislative Update – *Result:* Amanda Wilson of the North Central Texas Council of Governments, Rider Scott of Strasberger and John Carpenter (DRMC) briefed the DRMC on the status of current federal and state legislation.**

- Agenda Item Number 8, New Business, Consider recommendations for Meeting Location Change – **Result:** The DRMC discussed this item but no action was taken.
- Agenda Item Number 8, New Business, Consider items for future discussion and monitoring topics – **Result:** The DRMC discussed this item but no action was taken.

***The next meeting of the Dallas Regional Mobility Coalition is scheduled for Friday, May 1, 2009 at the Dallas County Health and Human Services Building.***

2. **North Central Texas Council of Governments (NCTCOG)** – Mayor Maso is the City's representative on the NCTCOG's Regional Transportation Council (RTC), also representing the cities of Allen, Prosper and Lucas; the City also has a representative on the NCTCOG Surface Transportation Technical Committee (STTC) each month to represent the City's interest in local and regional transportation issues. Staff also attends the RTC meetings each month to support the Mayor and the cities of Frisco/Allen/Prosper/Lucas in this effort.

- A. **Regional Transportation Council (RTC)** – Mayor Maso and John Eaglen attended the April 9, 2009 RTC Meeting, held in Arlington, Texas at the Regional Transportation Council Board Room. Action Items on the meeting agenda included the following:

- Agenda Item Number 2.1, Diesel Idling Reduction Program Recommendations – **Background:** The Diesel Idling Reduction Program Call for Projects will award funding for the purchase and installation of eligible idle-reduction technologies to projects that reduce idling from heavy-duty diesel vehicles. A total of \$1.95 million is available, including \$1.2 million in Congestion Mitigation and Air Quality funds and \$750,000 from the Environmental Protection Agency. The Diesel Idling Reduction Program was included as a Voluntary Mobile Emission Reduction Program (VMEP) in the 8-Hour Ozone Attainment Demonstration State Implementation Plan. NCTCOG Staff requested RTC approval of a Diesel Idling Reduction Program Call for Projects funding recommendations. **Result: The RTC unanimously approved the NCTCOG Staff recommendation.**
- Agenda Item Number 2.2, 2008-2011 Transportation Improvement Program Modifications and Regional Transportation Council Resolution for Regional Toll Revenue Projects – **Background:** NCTCOG Staff requested RTC approval of a Resolution approving the recommended revisions and administrative amendments to the 2008-2011 Transportation Improvement Program (TIP) regarding project changes as a result of the Regional Toll Revenue (RTR) initiative. **Result: The RTC unanimously approved the**

**Resolution; NCTCOG Staff will forward the Resolution to the Texas Transportation Commission.**

- Agenda Item Number 2.3, Modification to FY2008 and FY2009 Unified Planning Work Program – **Background:** The Unified Planning Work Program (UPWP) is required by federal and state transportation planning regulations and provides a summary of the transportation and transportation-related air quality planning tasks to be conducted by the NCTCOG Staff. The FY2008 and FY 2009 UPWP identifies the activities to be carried out between October 1, 2007 and September 30, 2009. Amendments to this document are being proposed to reflect project additions, project modifications and funding adjustments. These proposed amendments were presented to the public during the March 4 and March 5 public meetings; in addition the Surface Transportation Technical Committee approved a recommendation to the RTC for approval at their March 27, 2009 meeting. The NCTCOG Staff requested RTC approval of the recommended modifications to the FY 2008 and FY 2009 UPWP. **Result:** **The RTC unanimously approved the NCTCOG Staff recommendation.**
  
- Agenda Item Number 4, Metropolitan Transportation Plan, Transportation Improvement Program and Air Quality Conformity Amendment Process – **Background:** At the March RTC meeting the NCTCOG Staff briefed the RTC on the draft amendments to Mobility 2030: The Metropolitan Transportation Plan for the Dallas-Fort Worth Area, changes to the project listing for the 2008-2011 TIP and corresponding air quality conformity results. Changes to the 2008-2011 TIP are necessary to accommodate the Plan amendments and other changes due to local government request or to financial constraint requirements. These project changes will occur through the May 2009 TIP modification cycle. The recommendations in Mobility 2030-2009 Amendment and the TIP meet regional air quality goals in order for projects to proceed. The Surface Transportation Technical Committee approved a recommendation to the RTC for approval of the NCTCOG Staff recommendation at their March 27, 2009 meeting. NCTCOG Staff requested RTC approval of the Metropolitan Mobility 2030-2009 Amendments, the 2008-2011 Transportation Improvement Program project modifications and the Air Quality Conformity Analysis. **Result:** **After discussion and questions about further updates to the Metropolitan Transportation Plan regarding upcoming projects, the RTC unanimously approved the NCTCOG Staff recommendation.**

Information items placed on the meeting agenda included the following items:

- Agenda Item Number 3, Orientation to Agenda/Director of Transportation Report – **Result:** The NCTCOG Director of Transportation Michael Morris reviewed the following items with the RTC: (1) Job Access/Reverse Commute

and New Freedom Cooperative Vehicle Procurement; (2) Pass Through Project Announcement; (3) State of Texas 2008 Eight-Hour Ozone Standard Designation Recommendation; (4) Clean School Bus Program Call for Projects; (5) Tower 55 Public Meeting Minutes and Current Status; (6) March 4-5 Public Meeting Minutes; (7) Recent News Articles; (8) Recent TxDOT Correspondence; (9) East Texas Passenger Rail Summit – May 9, 2009; (10) Transportation Performance Data Related to Gas Price ([www.nctcog.org/trans/data/gasprices](http://www.nctcog.org/trans/data/gasprices)); (11) Recognition of: Linda Koop, Woman of the Year, WTS, Michelle Bloomer / James Powell / Secretary of State Hope Andrade, United We Ride National Leadership Award; (12) Metropolitan Planning Organization Certification; (13) State of the Region Handout; (14) NTTAC Monthly Corridor Report; (15) Governor Signing Ceremony; (16) Partners in Mobility; (17) Regional Transportation Subcommittee; (18) Letter to Senator Averitt on Air Quality.

- Agenda Item Number 5, State and Federal Legislative Update –  
**Background:** Both the Texas Legislature and the United States Congress are currently in session and are expected to consider major pieces of transportation legislation. The NCTCOG Staff briefed the RTC on updates to important federal and state legislative initiatives. The Surface Transportation Technical Committee requested that the RTC be specifically provided information on Texas Senate Bill 882 authored by Senator Carona. **Result:** **The RTC discussed the current status regarding the Texas Local Option Transportation Act (TLOTA – SB 855); SB 855 has passed two (2) senate votes and the final third vote in the Senate is scheduled for Tuesday, April 14; the RTC also discussed SB 882. After the discussion the RTC took no action relating to this agenda item.**
- Agenda Item Number 6, Status Report on Off-System Projects –  
**Background:** TxDOT and NCTCOG Staffs have developed a template agreement to be used for all off-system projects funded with RTR funds. Local governments will contract directly with TxDOT for these projects. **Result:** NCTCOG Staff briefed the RTC on the latest developments on the process to proceed with off-system projects funded with RTR funds.
- Agenda Item Number 7, Progress on Regional Transportation Priorities –  
**Background:** The RTC has been eager to get major transportation projects under construction. Several initiatives by multiple transportation partners are being completed. **Result:** NCTCOG Staff provided an overview on progress to date and the potential next steps was discussed. This included a discussion on the next steps for implementing the DFW Connector.
- Agenda Item Number 8, Economic Recovery: Status of Project Selection –  
**Background:** The American Recovery and Reinvestment Act of 2009 required comprehensive review and partnership development to expedite

needed projects and programs assisting our ailing economy. Major efforts are complete in roadway and transit programs and beginning in several others. **Result:** NCTCOG Staff briefed the RTC on the status of economic recovery funds in seven (7) areas: roadway, transit, enhancements, aviation, goods movement, clean vehicle / infrastructure and high speed rail.

- **Agenda Item Number 9, Regional Mobility Authorities, County Toll Authorities and Additional Transit Service Providers – Background:** Discussion of this item reviewed the historical perspective of the Regional Transportation Council with regard to the addition of transportation implementation institutions within the Dallas-Fort Worth region. Hunt County is part of a northeast Texas Regional Mobility Authority and wishes to engage in a discussion on how best to move forward. Local option legislation has recently had some discussion with regard to additional transportation authorities. **Result:** NCTCOG Staff briefed the RTC on the subjects of Regional Mobility Authorities, additional transportation authorities and county toll authorities.

***The next meeting of the Regional Transportation Council is scheduled for Thursday, May 14, 2009 at 1:00 p.m. at the North Central Texas Council of Governments.***

- B. **Surface Transportation Technical Committee (STTC)** – John Eaglen attended the March 27, 2009 meeting, held in Arlington, Texas at the Regional Transportation Council Board Room. Action Items on the meeting agenda included the following:

- **Agenda Item Number 2.1, Diesel Idling Reduction Program Recommendations – Background:** NCTCOG staff requested the Committee to approve a recommendation to the RTC regarding approval of funding recommendations from the Diesel Idling Reduction Program Call for Projects. The Call for Projects awards funding for the purchase and installation of eligible idle-reduction technologies to projects that reduce nitrogen oxides emissions by minimizing idling from heavy-duty diesel vehicles. A total of \$1.95 million is available, including \$1.2 in Congestion Mitigation and Air Quality (CMAQ) funds and \$750,000.00 in funding from the United States Environmental Protection Agency (EPA). This program was included as a Voluntary Mobile Emission Reduction Program (VMEP) in the 8-hour Ozone Attainment Demonstration State Implementation Plan (SIP). **Result:** **STTC unanimously approved a recommendation to the RTC to approve the NCTCOG Staff recommendation.**
- **Agenda Item Number 2.2, 2008-2011 Transportation Improvement Program (TIP) Modifications – Background:** NCTCOG staff requested the Committee to approve a recommendation to the RTC for approval of revisions to the 2008-2011 TIP. The TIP modifications included project revisions and

administrative amendments; these modifications have been reviewed by the NCTCOG staff for consistency with the air quality conformity determination and financial constraint requirements of the TIP. **Result:** **STTC unanimously approved a recommendation to the RTC to approve the NCTCOG Staff recommendation.**

- **Agenda Item Number 2.3, Modification to FY 2008 and FY 2009 Unified Planning Work Program (UPWP) – Background:** NCTCOG staff requested the Committee to approve a recommendation to the RTC for approval of the recommended modifications to the FY 2008 and FY 2009 Unified Planning Work Program (UPWP). The UPWP is required by federal and state transportation planning regulations and provides a summary of the transportation and transportation-related air quality planning tasks to be conducted by Metropolitan Planning Organization (MPO) staff. The FY 2008 and FY 2009 UPWP identifies the activities to be carried out between October 1, 2007 and September 30, 2009. Amendments to this document are being proposed to reflect project additions, project modifications and funding adjustments. The proposed modifications were presented to the public during the March 4 and March 5 public meetings. **Result:** **STTC unanimously approved a recommendation to the RTC to approve the NCTCOG Staff recommendation.**
- **Agenda Item Number 3, Metropolitan Transportation Plan, Transportation Improvement Program and Air Quality Conformity Amendment Process – Background:** NCTCOG Staff requested the Committee to approve a recommendation to the RTC for approval of the Metropolitan Mobility 2030 Amendments, the 2008-2011 Transportation Improvement Program list of project modifications and the Air Quality Conformity Analysis. **Result:** **STTC unanimously approved a recommendation to the RTC to approve the NCTCOG Staff recommendation.**

Information items on the meeting agenda included the following:

- **Agenda Item Number 4, Progress on Regional Transportation Council Transportation Priorities – Background:** The RTC has been eager to get major transportation projects under construction. Several initiatives by multiple transportation partners are being completed. **Result:** NCTCOG Staff provided an overview of progress to date and potential next steps.
- **Agenda Item Number 5, Economic Recovery: Status of Project Selection – Background:** The American Recovery and Reinvestment Act requires comprehensive review and partnership development to expedite needed projects and programs assisting our ailing economy; major efforts are complete in roadway and transit programs and beginning in several other areas. **Result:** **NCTCOG Staff discussed with the Committee the status**

**of economic recovery funds in six (6) areas: (1) roadway; (2) transit; (3) aviation; (4) goods movement; (5) alternative fuel vehicles; and (6) high speed rail.**

- **Agenda Item Number 6, Status Report on Off-System Projects –**  
**Background:** TxDOT and NCTCOG staffs have developed a template agreement to be used for all off-system projects funded with Regional Toll Revenue (RTR) funds. Local governments will contract directly with TxDOT for these projects. **Result:** NCTCOG Staff briefed the Committee on the latest developments on the process and laid out the necessary steps for local governments to execute agreements with TxDOT.
- **Agenda Item Number 7, State and Federal Legislative Update –**  
**Background:** The United States Congress and the Texas Legislature are both currently in session and dealing with many transportation issues. **Result:** NCTCOG Staff briefed the Committee on the latest developments related to the RTC Legislative Program. NCTCOG Staff also provided information on the Texas Local Option Transportation Act.
- **Agenda Item Number 8, Fast Facts –** **Result:** NCTCOG takes 10-15 minutes at the end of STTC Meetings to provide the NCTCOG staff the opportunity to provide brief updates on initiatives and/or ongoing programs. The Committee was briefed on the following topics: (1) Tower 55 Public Meeting Minutes and February 9-10 Public Meeting Minutes; (2) Job Access / Reverse Commute and New Freedom Cooperative Vehicle Procurement; (3) City Information System Protocol; (4) State of Texas 2008 Eight-Hour Ozone Standard Designation Recommendation; (5) American Recovery and Reinvestment Act: Clean Vehicle Technology and Infrastructure Funding; (6) American Recovery and Reinvestment Act Selected Projects; (7) Written Progress Reports (Local Motion – NCTCOG and NCTTA Monthly Corridor Status Report).

***The next meeting of the Surface Transportation Technical Committee is scheduled for Friday, April 24, 2009 at 1:30 p.m. at the North Central Texas Council of Governments.***

**Business Retention** – Staff meets monthly with the Chamber of Commerce to discuss the retention of business. The regular meeting in April was rescheduled to a later date.

## **Engineering Highlights – Elizabeth Metting:**

- **Construction Inspections** – Construction Inspectors have 426 current projects that are at various stages of construction.
- **Pre-construction Meetings** – Staff held 6 pre-construction meetings for new projects:
  1. Purefoy Elementary School, Bl A, Lt 1
  2. Northstar Church-Platinum Business Park
  3. Knolls of Frisco, Phase 2A
  4. SH 289 Utility Relocations
  5. Eldorado/Independence Intersection Improvements
  6. Teel & Eldorado Sanitary Sewer
- **Project Final Acceptances** – There were 4 projects accepted.
  1. Harty Suites, Bl 20, Lts 7R & 8R
  2. Legacy Christian Academy Gymnasium
  3. Frisco Square Frisco Street Public Impro
  4. Frisco Market Place, Lt 3R Liberty Federal

**Project Reviews** – Staff has completed **SIXTY-FIVE (65)** engineering reviews.

## **STATE PROJECTS**

- **FM 2478/Custer Road (Stonebridge – US 380)** – Project to widen the existing two lane road to a six lane urban roadway with curb and gutter. The project bid on January 13, 2009 with Mario Sinacola & Sons Excavating, Inc being the low bidder. Utility relocations are currently ongoing. Construction is anticipated to begin in Summer 2009 and is estimated to take 26 months to complete. (*Project Manager: Jason Brodigan*)
- **FM 2934/Eldorado Parkway (FM 423 – DNT)** – Project to widen the existing two lane road to a six lane urban roadway with curb and gutter. TxDOT bid the project in February 2008, and construction began in September on Phase 1. Traffic was switched to the new concrete paving in April. Earthwork for phase 2 (3 eastbound lanes) has begun. Construction is expected to be completed Summer 2010. Staff is attending monthly update meetings with the contractor and TxDOT. (*Project Manager: Jason Brodigan*)
- **FM 3537/Main Street (Preston Road – Custer Road)** – Project to widen the existing two lane road to a six lane urban roadway with curb and gutter. Comments from TxDOT on the Right of Way map and 60% plans have been returned to the engineer for corrections. The project is anticipated to begin ROW acquisition in Summer 2009, and utility adjustments will follow ROW acquisition. TxDOT is expected to bid the project in Late 2009 and construction is estimated to require twenty-four (24) months. (*Project Manager: Jason Brodigan*)



- **FM 423 (SH 121 – US 380)** – Project to widen the existing two lane road to a six lane urban roadway with curb and gutter. Environmental clearance (FONSI) for the Middle and North Sections was received in July 2006, and ROW acquisition will be conducted by TxDOT in accordance with the SH 121 Memorandum of Understanding. *(Project Manager: Jason Brodigan)*
  - **North Section (Eldorado – US 380)** – Staff completed review of the revised 95% plans in September 2008. Design is expected to be completed in Summer 2009. The north section is scheduled to be bid by TXDOT in Summer 2010, or upon completion of ROW acquisition and utility relocation. Construction is anticipated to require 24 months.
  - **Middle Section (Stewart Creek – Eldorado)** – Jacobs has submitted 100% plans to TxDOT for final review. Right of Way acquisition is approximately 80% complete. Coordination with the utility companies continues. The middle section is scheduled to be bid by TXDOT in August 2009. Construction should begin in early 2010 and is expected to require 24 months to complete.
  - **South Section (SH 121 – Stewart Creek)** – Denton County is coordinating the design of this project by Jacobs Carter Burgess working with TxDOT and The Colony. TxDOT has begun an expected lengthy right of way acquisition and utility relocation process. Currently, this project is expected to bid in late 2011 and is expected to require 26 months to construct, pending environmental clearance, acquisition of right-of-way, and relocation of utilities.
- **Frisco Square Boulevard Railroad Crossing** –Construction of the street connection of Frisco Square Blvd. across the railroad tracks began in September. The contractor has completed concrete paving on the project and has installed landscape pavers in the median. The contractor is waiting on the railroad crew to complete their work at the crossings. The project is expected to be completed in Spring 2009. *(Project Manager: Toyin Fawehinmi)*
- **SH 289/Preston Road (Main Street – US 380)** – Project to widen the existing two lane road to a six lane urban roadway with curb and gutter. TxDOT bid the project on October 15, 2008 with the low-bidder being Mario Sinacola & Sons Excavating, Inc. Franchise utility companies are currently relocating utilities. Construction of Preston Road is expected to begin in Summer 2009 and is estimated to take 30 months. *(Project Manager: Jason Brodigan)*
- **US 380 (Coit Road - FM 423)** – Turner, Collie & Braden has been hired by Collin and Denton Counties to study the US 380 corridor and recommend alternatives for improving mobility. A 90% schematic has been prepared from Coit to CR 26 and is currently being reviewed by TxDOT. In addition, Turner, Collie & Braden has completed a preliminary layout of US 380 from CR 26 to FM 423 for TxDOT review. *(Project Manager: Jason Brodigan)*

## **CITY PROJECTS:**

- **20" Dallas Parkway Water Line (Stonebrook - Main) and 30" Main Street Water Line (DNT – Legacy)** – The updated scope of work includes the design of 2,500 linear feet of 24" and 9,000 linear feet of 12" water main (along the Dallas Parkway from Main to Stonebrook ) City Council awarded the design contract to Camp Dresser & McKee, Inc. in June 2006. The project scope and schedule was revised due to modifications to the water line alignment based on the 2008 CIP master plan. Scope and fee of the design contract amendment is under review. Design is expected to resume in May 2009. *(Project Manager: David Chacon)*
- **30" Dallas Parkway Water Line along DNT– (Panther Creek Pkwy to Rockhill Road)** – The project has been modified to 9,500 linear feet of 30" water main along the Dallas Parkway (Panther Creek Pkwy to Rockhill Road) to serve the northern portion of the City. City Council awarded the design contract to Jacobs Engineering Group, Inc., in August 2006. The contract amendment for the modified project limits is expected to go to Council in June 2009. The completion of the design is expected in Fall 2009. *(Project Manager: David Chacon)*
- **4th Army Memorial Force Main** - A force main is under design by Schrickel, Rollins and Associates, to relieve the wastewater flow to Stewart Creek Wastewater Treatment Plant (WWTP) by pumping wastewater to the new Panther Creek WWTP. Design is approximately 95% complete and preparation of easement documents is underway. *(Project Manager: Art Hartle)*
- **City Hall Parking Garage** – Carl Walker is the consultant responsible for the design of the parking garage structure behind the city hall building. The consultant is preparing the preliminary schematic plans for the garage. Design is anticipated to be complete in June 2009 and construction is anticipated to start in 2009. *(Project Manager: Ben Brezina)*
- **CR 712/All Star Ave (Frisco St. – North County Rd.)** – The project includes constructing a 4-lane divided section between Frisco Street and the BNSF Railroad and a 37 foot wide undivided section from the BNSF Railroad to North County Road. Mario Sinacola began construction in July 2008 and has completed all concrete paving. The contractor is currently working on landscaping and irrigation west of the railroad tracks. The roadway was opened to traffic on April 15. *(Project Manager: Jason Brodigan)*
- **Cottonwood Creek Lift Station** – The 2008 Updated Water and Wastewater Master Plan revised the project scope to one lift station at Cottonwood Creek with a force main to the Panther Creek Interceptor, and the decommissioning of the Cottonwood Creek Wastewater Treatment Plant (WWTP). This project will divert 5 MGD (million gallons per day) of wastewater from the Cottonwood Creek drainage basin to the Panther Creek Wastewater Treatment Plant via the new Panther Creek Interceptor. The engineering services contract has been amended to reflect the change in scope. Design resumed in April 2009. *(Project Manager: Art Hartle)*

- **Dogwood Street / Meadow Lane** – This project will replace existing two asphalt streets with concrete pavement with curb and gutter. Construction began January 5, 2009. The contractor has completed installing water, sanitary sewer and storm drain lines in Dogwood and most of the water, sewer and reuse lines in Meadow Lane. The west lane of Dogwood from Main to McKinney Road has been paved. One lane on each street is closed to traffic. Construction is expected to be completed in Fall 2009. *(Project Manager: Art Hartle)*
- **Eldorado Parkway (DNT – Preston)** – City Council awarded the design contract to Wier & Associates in June 2006, for the design of the westbound (northern) two lanes, including the westbound bridge over the BNSF Railway. The City is expediting construction of the fifth and sixth lanes to coincide with construction of the remainder of the project with the use of Collin County bond funds. Bids were opened for the project on March 26, 2009. Construction is expected to begin in May is expected to take 18 months to complete. *(Project Manager: Jason Brodigan)*
- **Eldorado Independence Intersection Improvements** – RLK Engineering designed the intersection improvements at Eldorado Pkwy and Independence Pkwy. The project includes permanent traffic signals at Eldorado and Independence; turn lanes along Eldorado at the High School entrances, a westbound to northbound right turn lane on Eldorado, and two additional lanes to connect existing portions of pavement for eastbound Eldorado traffic. Project construction has begun and is expected to be completed for opening of Heritage High School in August. *(Project Manager: David Chacon)*
- **Eldorado Pump Station #3 Remediation Project** - The contractor is in the process of pouring the concrete slab for the pump barrels. Site work to date includes installing piers for the supply piping. Other work accomplished includes investigation of existing piping to be used in the remediation of the pump station. The project is expected to be completed in May 2010. *(Project Manager: David Chacon)*
- **Downtown Elevated Storage Tanks and Preston 24" Water Line** – The new site, located between Shoemaker Road and Preston Road, has been selected for the downtown elevated storage tank. The engineering contract has been amended to reflect the changes. The design, which began in January 2009, is now approximately 30% complete. The Preston-Main elevated storage tank and the 24-inch water main along Preston Road are expected to be in operation by 2011. *(Project Manager: Art Hartle)*
- **Eubanks Street (Fifth St- BNSF RR)** – Corwin Engineering has completed the 90 % design plans for the replacement of this street. Construction is anticipated to begin later in 2009 and will require six months to complete. *(Project Manager: Jason Brodigan)*
- **Frisco #1 Pump Station Expansion (Custer Road)** – This project was awarded by City Council in July 2007 and construction started in October 2007. Project is expected to be substantially complete with successful operation of the pumping station by end of May 2009. *(Project Manager: David Chacon)*

- **Independence Parkway (SH 121 – Main)** – City Council awarded the bid for construction services to Mario Sinacola and Sons Excavating, Inc. in August 2006. The roadway is open to traffic and the contractor is working on cleanup issues prior to final acceptance. *(Project Manager: Toyin Fawehinmi)*
- **Lebanon at Dallas North Tollway** – Kimley-Horn and Associates, Inc. is designing improvements at the intersection of Lebanon and the Dallas Parkway along Lebanon to better align the roadway with the newly constructed bridge over the DNT. Design is approximately 95% complete. Construction is anticipated to take seven months upon the completion of right of way acquisition and utility relocation. *(Project Manager: David Chacon)*
- **Lebanon Road (FM 423 – Presidents Dr.)** – Spiars Engineering designed the widening of Lebanon Road from two to four lanes (eastbound lanes). The project was awarded to Rodman Excavating and construction began in February 2008. The contractor has finished all main lane paving and turn lanes. Landscaping and traffic signal installation are underway. The project is expected to be completed in May 2009. *(Project Manager: Toyin Fawehinmi)*
- **North Stewart Creek Interceptor** – This project will increase the capacity of the sanitary sewer from a point along the BNSF railroad east of the Dallas North Tollway, through the future location of Grand Park to the Stewart Creek Wastewater Treatment Plant. Freese and Nichols, Inc. have been selected to study alignments for the sanitary sewer. Negotiation of scope and fee with Freese and Nichols, Inc. is underway. Coordination with affected parties is included in the engineer's scope of work so as to not adversely affect the future park. *(Project Manager: Art Hartle)*
- **Northwest Infrastructure** - Kimley-Horn and Associates, Inc. was contracted to analyze alternative alignments for water & sewer lines to serve properties near FM 423 & US 380. An analysis of alternative alignments for future Rockhill Road from FM 423 to Preston Road was also included and has been completed. Design is approximately 95% complete. Construction of the project is currently on hold pending development needs for services in this area of the City. *(Project Manager: David Chacon)*
- **Panther Creek Parkway (DNT – Teel) and Legacy Drive** - This project constructed 4 lanes of arterial street in a location where no roadway existed to provide traffic relief for Eldorado Parkway. Legacy Drive was opened to traffic in October. Signals lights at Panther Creek and Legacy are now operational. The contractor is working on cleanup issues prior to final acceptance. *(Project Manager: Jason Brodigan)*
- **Panther Creek Sewer Interceptor – (Project Manager: David Chacon)**
  - **Phase 1 (Panther Creek)** –City Council awarded the construction contract to SJ Louis on July 15, 2008. All of the 12,340 LF of 54-inch piping and all of the 10,960 LF of 42-inch piping has been installed on Line "A" with flow running to the Panther Creek WWTP. Project close out has begun. The project is contractually required to be substantially complete and operational at the end of April 2009.
  - **Phase 2 (Parvin Branch)** – Design of Phase 2 is currently on hold until future development dictates need for the project. Design is approximately

90% complete. Construction is estimated to take six months once easements are acquired.

**Phase 3** – Design of Phase 3 is currently on hold until future development dictates need for the project. Design is approximately 60% complete.

- **Rolater Road (Custer - Independence)** – The Project will construct the two east bound lanes of the four lane divided roadway including a bridge over Rowlett Creek. Design of the project, by RLK Engineering, is approximately 60% complete. Construction is expected to begin in Summer 2009 and require 10 months to complete. *(Project Manager: Jason Brodigan)*
- **Rolater Road 42" Water Line (Coit – Preston)** – Construction of a 42-inch steel water transmission pipeline in the median of Rolater Road began in March 2008. The contractor has completed the installation of 11,000 feet of 42" pipe, fire hydrants, and air release valves. Pressure Testing of the water line was completed on April 26. Chlorination of the pipeline was completed at the end of April. The Contractor is now working on removal and replacement of damaged pavement. The final inspection of the project is scheduled in May 2009. *(Project Manager: Art Hartle)*
- **Selected Old Town Streets (1st, 3rd, 4th, 6th, Pecan, and Hickory)** – City Council awarded the bid for construction services to Jim Bowman Construction in November 2006. The contractor has completed all of the street paving and is completing punch list items prior to the City's final acceptance. *(Project Manager: Jason Brodigan)*
- **Stonebrook Parkway (Legacy – Longhorn)** –Project to construct the four lane roadway including a bridge over Stewart Creek as well as an underpass for the BNSF railroad is under design by HNTB. Design is approximately 95% complete. Permitting by the US Corps of Engineers is expected to take 12-18 months starting November 2007. Construction is expected to begin in Early 2010. *(Project Manager: Jason Brodigan)*
- **Stonebrook Parkway (Dallas North Tollway – Preston)** – The project will replace two westbound lanes with three reconstructed lanes and includes the installation of a 36-inch water line. CH2M Hill is approximately 80% complete with the design. Construction is expected to begin in Fall 2009 and will take approximately 14 months to complete.*(Project Manager: Art Hartle)*
- **Teel Parkway (Panther Creek Parkway - North of Little River)** – Project to construct the two northbound lanes widening the roadway to four lanes. This project is jointly funded by FISD. Construction began in May 2008. Rodman Excavating has completed 95% of the paving and is expected to complete the project in Summer 2009. *(Project Manager: Jason Brodigan)*
- **Teel Parkway (Eldorado Parkway – Freestone)** - Project to construct the two northbound lanes completing the four lane roadway. Design of the project has commenced and is expected to be completed in Summer 2009. Construction is expected to be completed in conjunction with the completion of Eldorado Parkway. *(Project Manager: Jason Brodigan)*
- **Rockhill Road (CR26 – Preston)** – Project to construct 6 lanes from County Road 26 to Preston Road, including bridges over Parvin Branch and BNSF RR. Design of the project is approximately 40% complete and is expected to be completed in early 2010. *(Project Manager: Lori Chapin)*

- **West Frisco Wastewater Improvements** – Construction began in March 2007, by Oscar Renda Contracting, for improvements to the Trails, Fairways, and Grayhawk Lift Stations and the construction of a new force main to the Panther Creek Wastewater Treatment Plant. Wastewater began pumping north to the Panther Creek Wastewater Treatment Plant from the Grayhawk Lift Station in April 2008. The Fairways Lift Station flow was redirected to Panther Creek WWTP in June 2008, and the Trails Lift Station flow was redirected in July 2008. Construction of brick fencing at the Fairways Lift Station was completed in January 2009. Wrought iron fencing was installed in February. Storm drainage modifications were finished in March. The irrigation system was completed in April. Seeding at the Fairways Lift Station is in April. A final inspection of the project is expected to be held in May 2009. *(Project Manager: Art Hartle)*

**World Cup Way (Main – Frisco Square Blvd)** – Project to construct a two lane undivided roadway from Main Street to Frisco Square Blvd. North Texas Contracting Inc. began work in August. Water, Sewer and Drainage improvements are now complete. The contractor has completed all paving. The project is expected to be completed in May 2009. *(Project Manager: Jason Brodigan)*

### **Transportation Highlights – Brian Moen:**

- **Development/CIP Plan Reviews** – Staff reviewed 31 sets of development and CIP plans this month. Staff also reviewed and processed four TxDOT driveway permit applications.
- **SH 121 and DNT Tollway Construction** – Staff has been reviewing NTTA's plans for the construction of a full interchange at SH 121 and the Dallas North Tollway (including direct-connect ramps in all directions).
- **Internally Lit Street Name (ILSN) Signs** – Staff will be preparing additional analysis for TxDOT to review in conjunction with our request to add Illuminated Street Name Signs on Preston Road and Custer Road. It is unknown at this time when this additional analysis will be complete. Once the completed analysis is approved by TxDOT, it will take approximately 8 to 12 weeks to have the signs fabricated and installed.
- **Intersection Improvement Projects** – Construction of the turn lanes at Main and Teel was completed in early April and all lanes were opened to traffic on April 13. *(Project Manager: Jason Brodigan)*
- **Citizen Inquiries** – Staff has responded to several citizen inquiries that came into the department by telephone, email, and the Message Board on the City website.
- **Miscellaneous Traffic Studies** – Staff is refining the crash database (based on police reports) and purchasing new software to facilitate crash analysis of intersections. Staff conducted two speed studies and one stop sign warrant study at the request of citizens. Staff collected traffic volumes and performed traffic capacity analysis of the new Allen Elementary School which will open in the Fall. Staff collected turning movement counts at the intersection of Dallas Parkway and

Panther Creek Parkway to help determine if traffic signal timing changes are necessary.

- **Quiet Zone Project** – Quiet Zone approval from the Federal Railroad Administration (FRA) is on hold until crossing improvements are complete at Frisco Square Blvd. In addition, the City will need to secure an alternative access to the sewage treatment plant near the DNT railroad crossings to remove the current railroad crossing serving this site. Staff expects these improvements to be complete allowing a Quiet Zone to be established in the third quarter of 2009.
- **School Zones** – Staff meets monthly with representatives of FISD to discuss any school zone, crossing guard, or sidewalk issues. Staff is in the process of installing a bike lane/pedestrian way on the pavement of Beacon Hill Drive and Indigo Sky Drive in Lone Star Ranch due to the lack of sidewalks on the route to Bledsoe Elementary. Staff is developing a plan to install guide signs on city arterials that would direct motorists to each school campus. This month, staff identified segments of sidewalk that will need to be installed before the opening of new schools in 2010. Staff analyzed the projected traffic operations of the new Allen Elementary School and is working with FISD staff to finalize traffic circulation plans for the school. Staff is having all crossing guards count the number of pedestrians using their crossing this month, which will be used in our bi-annual evaluation of all crossing guard locations.
- **Special Events** – As part of the Special Events Review Committee, staff helps review all pending special event applications for any traffic control needs. Staff continually coordinates with Pizza Hut Park, the Police Department, the Fire Department, and NTTA regarding events at Pizza Hut Park. This month, staff planned road closures and provided traffic management support for the Kelly Miller Circus, Easter Eggstravaganza, the Angel Twins 5K race, the season opener soccer game, the Dallas Cup soccer tournament, and the Jimmy Buffet Concert. Staff is preparing for the MS 150 bicycle race, Kenny Chesney Concert, and EdgeFest Concert in early May.
- **Staff** – This month staff interviewed six candidates to fill our remaining vacant transportation engineer position and has short-listed two candidates for on-site interviews, which will occur by the end of April.
- **Thoroughfare Standards Ordinance** – Staff is currently editing a draft update to the thoroughfare standards ordinance based upon ongoing research as well as coordination with other departments. This month staff submitted the draft document to other departments and is now compiling their comments. Staff is also reviewing the draft rewrite of the Subdivision Ordinance with Planning Staff to ensure the two documents do not overlap or conflict with each other. Staff expects to give a draft of the new Thoroughfare Standards Ordinance to the Developers Council in May, to the Planning & Zoning Commission in June, and the City Council in July 2009.
- **Traffic Count Map** – The traffic count map is available on the City's website at [maps.friscotexas.gov](http://maps.friscotexas.gov). It provides daily traffic volume counts (and the date of each count) on multiple segments of every major roadway. This month staff began to collect new 2009 traffic count data to update certain segments on the traffic count map.

- **Traffic Control** – This month staff continued to coordinate with Public Works to install bike route signs along city arterial roadways as part of the recent passage of the Hike and Bike Master Plan. Each month, staff designs the installation of new and/or replacement signs and pavement markings as needed. Each month, staff reviews the traffic control plans for new and ongoing construction zones. Staff is coordinating with TxDOT on major detours for night-time and weekend closures of sections of Eldorado Parkway during the widening project. Staff reviewed the installation of signs and pavement markings on the newly reconstructed segment of All Stars Avenue from the railroad to North County Road and the new turn lanes at Main Street & Teel Parkway.
- **Traffic Signal Construction**
  - 1) **Eldorado / Frisco St** – Plans are complete. Signal will be constructed with the Eldorado Pkwy widening project between DNT and Preston Rd.
  - 2) **Eldorado / North County** – Plans are complete. Signal will be constructed with the Eldorado Pkwy widening project between DNT and Preston Rd.
  - 3) **Eldorado / Rogers** – Plans are complete. Signal will be constructed with the Eldorado Pkwy widening project between DNT and Preston Rd.
  - 4) **Legacy / Town and Country** – Construction of this signal will be bid in early May 2009. Construction is expected to begin by June 2009.
  - 5) **Independence / Eldorado** – Plans are complete. The signal will be constructed with the intersection improvements scheduled to begin in Spring 2009.
  - 6) **DNT/Cotton Gin** – Kimley Horn is revising the design for this signal based on staff comments. Staff continues to work towards completing the plans for this location. However, construction will be delayed until traffic volumes on Cotton Gin increase.
  - 7) **Custer Road / Custer Bridges (Target)** – Staff has completed the review of this signal design from Kimley Horn. This month staff received final comments on the design from TxDOT and forwarded them to Kimley-Horn to finalize the plans. Target and the Custer Bridges development will fund the construction of this signal. The timing and maintenance of the signal will be turned over to the City of Frisco by agreement with the City of McKinney so the signal can be coordinated with signals to the north maintained by the City of Frisco.
  - 8) **FM 423 / Stonebrook** – Staff has completed an agreement with Denton County to fund the construction of this traffic signal. This month staff worked with DeShazo Tang Associates to develop a contract for the design of the signal, which was approved by City Council in early April.
  - 9) **Legacy / Allen Elementary** – Plans are complete. Construction of this signal will be bid at the end of April. This signal will be installed adjacent to the school before it opens in August 2009.
- **Traffic Signal System Communications** – The system provides communications to all of the traffic signals in the City, allowing staff to monitor and control their



operation remotely. Staff can also view the traffic detection cameras at most of the traffic signals, as well as six PTZ traffic cameras that can be controlled remotely. Staff maintains a database to track citizen complaints about traffic signals and what adjustments have been made. Staff is currently in the process of upgrading the firmware on all of the traffic signal controllers. Staff is preparing to install a software package that will aid in the programming and maintenance of the wireless radios used to communicate with traffic signal locations in the field.

- **Traffic Signal Timing** – Staff is reviewing Request for Qualifications (RFQ) responses for signal timing services using NCTCOG funds and will make recommendations to Council in May 2009. Selected consultants will retime Main Street (FM 423 to Custer), Dallas Parkway (Gaylord to Eldorado), Preston Road (Gaylord to US 380), and Warren Parkway (Legacy to Preston). Work is expected to begin this spring with new timings implemented on these corridors by early Fall 2009. On an ongoing basis, staff changes the operation of various traffic signals along Eldorado Parkway to coincide with TxDOT closures as part of the widening project. This month staff retimed the intersection of Main Street & Teel Parkway to a more efficient pattern made possible by the new turn lanes that were opened.
- **Training and Conference Attendance** – Staff attends the monthly local meetings of the Texas District of the Institute of Transportation Engineers (TexITE). Joel Fitts is currently an officer of the Greater Dallas Section of TexITE and Brian Moen represents Greater Dallas on the Statewide Board of TexITE. Staff successfully petitioned to have the Statewide TexITE conference held in Frisco in January 2010 and is working on the arrangements.
- **Truck Route Ordinance** – City Council approved the new comprehensive truck route ordinance in early September 2008. Staff has created a plan for the installation of truck route signs along the newly established routes that will guide trucks through the City. Staff has coordinated with TxDOT for the installation of truck route signs on TxDOT roadways have created plans for the installation (or modification) of No Truck signs in strategic locations in the City to prohibit trucks from leaving the designated routes. The installation of these signs has been postponed to next fiscal year due to budget constraints.
- **Traffic Signal Maintenance** - The City of Frisco currently operates and maintains 70 traffic signals within the City of Frisco. City crews provide on-call maintenance 7 days per week with a 45 minute response time.

A significant part of traffic signal maintenance relates to the 266 video cameras used to detect vehicles at each signal. Currently, 100% of the video detection is fully operational. Maintaining this video detection has become easier with the citywide communication system because diagnosing and troubleshooting detection issues can now be performed from our central control center.

This month city crews modified the traffic signal equipment at Main Street & Teel Parkway to accommodate the newly completed turn lanes. City crews oversaw the modification of traffic signals along Eldorado Parkway to accommodate traffic shifting over onto the new concrete pavement.

Beyond responding to items that need to be repaired, city crews perform regular preventative maintenance on traffic signal equipment each month. This month crews completed conducting the annual testing of each traffic signal's Opticom and "conflict monitor" equipment. Opticom equipment provides emergency vehicle preemption of the traffic signal. City crews are in the process of re-wiring some traffic signals to standardize the phase wiring pattern at all traffic signals citywide.

City crews also operate and maintain 101 school zone flashers within the City and one special event sign flasher. This month city crews performed manual programming changes to every flasher due to a change in the school schedule and the sudden discontinuation of service by our flasher communications system provider.

- **Roadway Lighting Maintenance** - City crews performed lighting repairs at several locations during the month. New lighting is under construction on Teel Parkway north of Panther Creek Parkway and is expected to be completed by early May.

Total lamp poles maintained	1639
Total lamp fixtures maintained	2700
Number of locations maintained in the last 30 days	61
Citywide lighting fully operational	97%